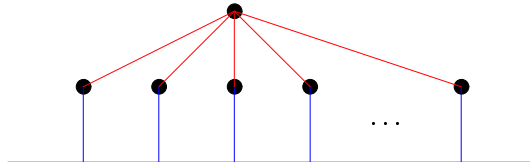
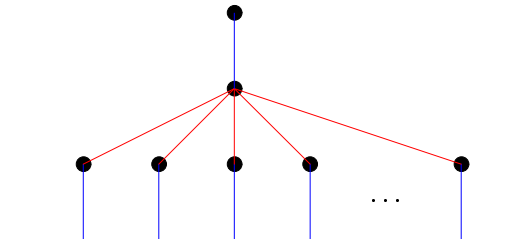


1. (a) Call f_n the value of the following Hackenbush position as a function of n , the number of legs. Determine f_n for small values of n . How far can you go?



The value of the positions are $\{0, \frac{1}{2}, 1, 1, 1, 1, \dots\}$

- (b) How about this position?



The value of the positions are $\{0, \frac{3}{4}, 1\frac{1}{2}, 2, 2, 2, \dots\}$

- (c) Come up with an infinite series of Hackenbush positions of your own. See if you can find the first few values.